



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

08/479,810

06/07/1995

JOHANNES G. BEDNORZ

YO987-074BY

8594

7590

05/19/2006

IBM CORPORATION  
INTELLECTUAL PROPERTY LAW  
P O BOX 218  
YORKTOWN HEIGHTS, NY 10598

EXAMINER

KOPEC, MARK T

ART UNIT

PAPER NUMBER

1751

DATE MAILED: 05/19/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Advisory Action  
Before the Filing of an Appeal Brief**

Application No.

08/479,810

Applicant(s)

BEDNORZ ET AL.

Examiner

Mark Kopec

Art Unit

1751

**--The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

THE REPLY FILED 12 April 2006 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.

1. ☒ The reply was filed after a final rejection, but prior to or on the same day as filing a Notice of Appeal. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114. The reply must be filed within one of the following time periods:

- a) ☐ The period for reply expires \_\_\_\_\_ months from the mailing date of the final rejection.  
b) ☐ The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.

Examiner Note: If box 1 is checked, check either box (a) or (b). ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**NOTICE OF APPEAL**

2. ☒ The Notice of Appeal was filed on 25 April 2006. A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a).

**AMENDMENTS**

3. ☐ The proposed amendment(s) filed after a final rejection, but prior to the date of filing a brief, will not be entered because  
(a) ☐ They raise new issues that would require further consideration and/or search (see NOTE below);  
(b) ☐ They raise the issue of new matter (see NOTE below);  
(c) ☐ They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or  
(d) ☐ They present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: \_\_\_\_\_. (See 37 CFR 1.116 and 41.33(a)).

4. ☐ The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324).  
5. ☐ Applicant's reply has overcome the following rejection(s): \_\_\_\_\_.  
6. ☐ Newly proposed or amended claim(s) \_\_\_\_\_ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).

7. ☒ For purposes of appeal, the proposed amendment(s): a) ☐ will not be entered, or b) ☒ will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.

The status of the claim(s) is (or will be) as follows:

Claim(s) allowed: See CON sheet.

Claim(s) objected to: \_\_\_\_\_.

Claim(s) rejected: See CON sheet.

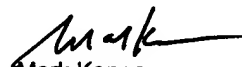
Claim(s) withdrawn from consideration: 73-76,82,83,377 and 378.

**AFFIDAVIT OR OTHER EVIDENCE**

8. ☐ The affidavit or other evidence filed after a final action, but before or on the date of filing a Notice of Appeal will not be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e).  
9. ☐ The affidavit or other evidence filed after the date of filing a Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failed to overcome all rejections under appeal and/or appellant fails to provide a showing of good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).  
10. ☒ The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached.

**REQUEST FOR RECONSIDERATION/OTHER**

11. ☒ The request for reconsideration has been considered but does NOT place the application in condition for allowance because: See Continuation Sheet.  
12. ☐ Note the attached Information Disclosure Statement(s). (PTO/SB/08 or PTO-1449) Paper No(s). \_\_\_\_\_.  
13. ☐ Other: \_\_\_\_\_.

  
Mark Kopec  
Primary Examiner  
Art Unit: 1751

Continuation of 11. does NOT place the application in condition for allowance because: The 1.132 Declarations of Georg Bednorz and Dennis Newns have been considered. The Declaration of Dr. Georg Bednorz details his work as an "experimental scientist" in the filed of solid-state science, and his work leading to the discovery of layered perovskite-like CuO-compounds. The Declaration of Dr. Dennis Newns sets forth his views on the "predictability in theoretical solid state science" (para 7-10) and provides a discussion of the Schuller article (of record).


The examiner respectfully maintains that the field of high-temperature superconductivity is an unpredictable one. The cited articles (PTO-892 mailed 10/20/05) clearly disclose such.

For the reasons of record, the examiner respectfully maintains that the instant disclosure does not enable one of ordinary skill to make and use the invention as now recited in claims 11-72,77-81,84-112,115-122,126-134,139,141-150,152-156,158-166,170,171,175,176,180-184,187,188,192-195,198-212,217-219,222,223,227-230,232-257,261-263,266-268,271-275,278,279,283-286,289-295,303,308-310,313,314,318-376 and 379-501 without undue experimentation..

  
Mark Kopec  
Primary Examiner

Art Unit: 1751

Continuation of Disposition of Claims: Claims allowed are 113,114,123-125,135-138,140,151,157,167-169,172-174,177-179,185,186,189-191,196,197,213-216,220,221,224-226,231,258-260,264,265,269,270,276,277,280-282,287,288,296-301,304-307,311,312,315-317,502-507 and 511-515. Continuation of Disposition of Claims: Claims rejected are 1-72,77-81,84-112,115-122,126-134,139,141-150,152-156,158-166,170,171,175,176,180-184,187,188,192-195,198-212,217-219,222,223,227-230,232-257,261-263,266-268,271-275,278,279,283-286,289-295,303,308-310,313,314,318-376 and 379-501.

  
**Mark Kopec**  
**Primary Examiner**